

SEQUENCE LISTING

<110> VÉZINA, Louis-Philippe
D'AOUST, Marc-André
MEDICAGO Inc.

<120> PROMOTER FOR REGULATING EXPRESSION OF
FOREIGN GENES

<130> 14149-4"US"

<150> US 60/157,129

<151> 1999-10-04

<160> 3

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1350

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence to be used as a Promoter for regulating
expression

<400> 1

cgacggcccg	ggctggtata	tttatatggt	gtcaataaac	tcaaaaacca	taaaagttaa	60
agttagcaag	tgtgtacatt	tttatttgaa	caaaaatatt	cacctactac	tggtataaat	120
cattattaaa	cattagagta	aagaaatatg	gatgataaga	acaagagtag	tgatattttg	180
acaacaattt	tggtgcaaca	tttgagaaaa	ttttgttggt	ctctcttttc	attggtcaaa	240
aacaatagag	agagaaaaag	gaagagggag	aataaaaaaca	taatgtgagt	atgagagaga	300
aagttgtaca	aaagttgtac	caaaatagtt	gtacaaatat	cattgaggaa	tttgacaaaa	360
gctacacaaa	taaggggttaa	ttgctgtaaa	taaataagga	tgacgcatta	gagagatgta	420
ccattagaga	atTTTTggca	agtcattaaa	aagaaagaat	aaattatttt	taaaatttaa	480
agttgagtca	tttgattaaa	catgtgatta	tttaatgaat	tgatgaaaga	gttggattaa	540
agttgtatta	gtaattagaa	tttggtgtca	aatttaattt	gacatttgat	cttttcctat	600
atattgcccc	atagagtcag	ttaactcatt	tttatatttc	atagatcaaa	taagagaaat	660
aacggtatat	taatccctcc	aaaaaaaaaa	aacggtatat	ttactaaaaa	atctaagcca	720
cgtaggagga	taacatccaa	tccaaccaat	cacaacaatc	ctgatgagat	aaccctcttt	780
aagcccacgc	actctgtggc	acatctacat	tatctaaatc	acacattctt	ccacacatct	840
gagccacaca	aaaaccaatc	cacatcttta	tcacccattc	tataaaaaat	cacactttgt	900
gagtctacac	tttgattccc	ttcaaacaca	tacaaagaga	agagactaat	taattaatta	960
atcatcttga	gagaaaaatg	ccaccgttac	ttccaccacc	gttgctattc	catcattcac	1020
aggccttaag	gcaaacgcaa	gcaaagttaa	tgccatagct	aagggtccaa	cttcaacttc	1080
tcaattgcca	aggctttgtg	tcagagcttc	cctcaaagac	tttgagttg	ctgctgttgc	1140
cactgctgca	agtgctattg	tagctagcaa	tgcccttgca	gttgaaagtgt	tgcttggtgc	1200
tagtgatggg	ggtttggtct	ttgttccaaa	caatttcaca	gtgaacgctg	gagacaccat	1260
tacattcaag	aacaatgctg	gttttctctc	caacgttatc	ttcgatgaag	acgagattcc	1320
aagcgggggt	gatgctgcaa	tcgaattccc				1350

42108 2
 42118 971
 42128 DNA
 42138 Artificial Sequence

4220
 4223 Sequence to be used as a Promoter for regulating
 expression

4400 2
 oggggtgata tttttatatt ttgtcaaaata actcaaaaaac cataaaaagtt taagttagea 60
 agtgtgtaca tttttatttg aacaaaaata ttcaacctact actgtttataa atcattatta 120
 aacatttagg taaagaaaata tggatgataa gaacaagagt agtgatattt tgacaacaat 180
 tttgtttaaa cttttgagaa aattttgttg ttctctcttt ccattgggtca aaatcaatag 240
 agagagaaaa aggaagaggg agaataaaaa cataatgtga gtatgagaga gaaagttgta 300
 caaaaagtgt accaaaaatag ttgtacaaat atcattgagg aatttgacaa aagctacaca 360
 aataagggtt aattgctgta aataaataag gatgaagcat tagagagatg taccattaga 420
 gaatttttgg caagtcatca aaaagaaaaga ataaattatt tttaaaatta aaagttgagt 480
 catttgatca aacatgtgat tatttaaatga attgatgaaa gaggttggatt aaagttgcat 540
 tagtaattag aatttgggtg caaatttaaat ttgacatttg atctttctct atcatattgac 600
 ccatagagtc agttaactca tttttatatt tcatagatca aataagagaa ataaagggtat 660
 attaatctct caaaaaaaaa aaaacggtat atttactaaa aaatctaaag caggtaggag 720
 gataaacatcc aatccaacca atcacaacaa tcttgatgag ataaccact ttaagcccaac 780
 gcaactctgt gacatctcac attatctaaa tcaacacatc ttcaacacat ctgagccaca 840
 caaaaaacca tccacatctt tatcaccact tctataaaaa atcacacttt gtgagtcac 900
 actttgatcc ctttcaaaaa catacaaaaga gaagagacta attaattaat taatcatctt 960
 gagagaaaat g 971

4408 2
 4411 731
 4412 DNA
 4413 Artificial Sequence

4420
 4423 Sequence to be used as a Promoter for regulating
 expression

4600 2
 agagagaaaa aggaagaggg agaataaaaa cataatgtga gtatgagaga gaaagttgta 60
 caaaaagtgt accaaaaatag ttgtacaaat atcattgagg aatttgacaa aagctacaca 120
 aataagggtt aattgctgta aataaataag gatgaagcat tagagagatg taccattaga 180
 gaatttttgg caagtcatca aaaagaaaaga ataaattatt tttaaaatta aaagttgagt 240
 catttgatca aacatgtgat tatttaaatga attgatgaaa gaggttggatt aaagttgcat 300
 tagtaattag aatttgggtg caaatttaaat ttgacatttg atctttctct atcatattgac 360
 ccatagagtc agttaactca tttttatatt tcatagatca aataagagaa ataaagggtat 420
 attaatctct caaaaaaaaa aaaacggtat atttactaaa aaatctaaag caggtaggag 480
 gataaacatcc aatccaacca atcacaacaa tcttgatgag ataaccact ttaagcccaac 540
 gcaactctgt gacatctcac attatctaaa tcaacacatc ttcaacacat ctgagccaca 600
 caaaaaacca tccacatctt tatcaccact tctataaaaa atcacacttt gtgagtcac 660
 actttgatcc ctttcaaaaa catacaaaaga gaagagacta attaattaat taatcatctt 720
 gagagaaaat g 731